



Section I

200 Area Materials & Waste Management

PROJECT MANAGERS

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INTRODUCTION

The 200 Area Materials and Waste Management consists of Project Baseline Summary (PBS) RL-CP02, Work Breakdown Structure (WBS) 3.3.2, except for ERDF.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone was completed early.

NOTABLE ACCOMPLISHMENTS

Mixed Low Level Waste (MLLW) Treatment ¾ Issued a request for proposal for a new non-thermal treatment contract at ATG. The contract would allow treatment during the fourth quarter of FY 2002 and during FY 2003. Disposed of 16 m³ of backlog soils that had been verified as meeting the "contained-in" policy.

TRU Waste Retrieval ¾ Construction began on a mock-up TRU Retrieval trench that will be used to demonstrate retrieval techniques and to train personnel.

Liquid Waste Processing — Processed over 19.5 million gallons of wastewater through the 200 Area Effluent Treatment Facility (ETF) thus far in FY 2002 (3.8 million gallons in June) supporting a variety of generators, including the Environmental Restoration Contractor (200-UP-1 Groundwater).

Waste Encapsulation and Storage Facility (WESF) Operations — Began operation of Pool Cell cleaning equipment. Replaced spool piece on 282-BA deep well pump.

Plutonium Finishing Plant (PFP) Support — The fifth shipment of Sand, Slag and Crucible (SS&C) waste, including 15 drums were received for storage in support of the Residues Project during June.

TRU Program Recertification Audit — The annual recertification audit of the Hanford TRU Waste Program was successfully completed June 24-28, 2002. The annual audit is required to maintain the certified status of Hanford's TRU Waste Program and retain the ability to certify and ship TRU waste to the Waste Isolation Pilot Plant. Two Corrective Action Reports were generated from the audit.

Hanford RCRA Permit Modification E — In accordance with the approved Settlement Agreement, the conditions of Hanford RCRA Permit Modification E (Central Waste Complex and Waste Relieving and Processing) were implemented on June 25, 2002.

300 Area Cleanup Support — Completed modification of a transport trailer to support 324 SNF movement. Continued transport and acceptance of Pacific Northwest National Laboratory (PNNL) legacy waste containers from 324.

SAFETY

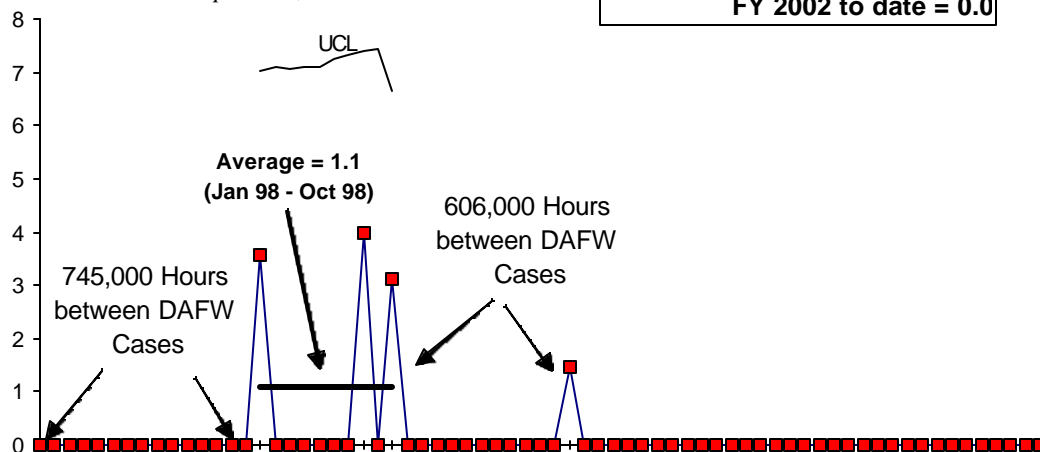
At the end of June 2002, the project reached 3.8 million safe work hours. At the present manhour utilization rate, the project will achieve 4 million safe hours around or shortly before mid-August. The last days-away injury occurred in October 1999. Fiscal year to date, there have been three OSHA recordable injuries, resulting in a Recordable Incident Rate (IR) of 0.6 at the end of June. The FH annual goal is 0.9. The project is completing revision of its VPP application for submittal to RL in August.

Days Away From Work Case Rate

Cases per 200,000 hours

Project Safe Hours = 3,849,459
FY 2001 = 0.0
FY 2002 to date = 0.0

Green

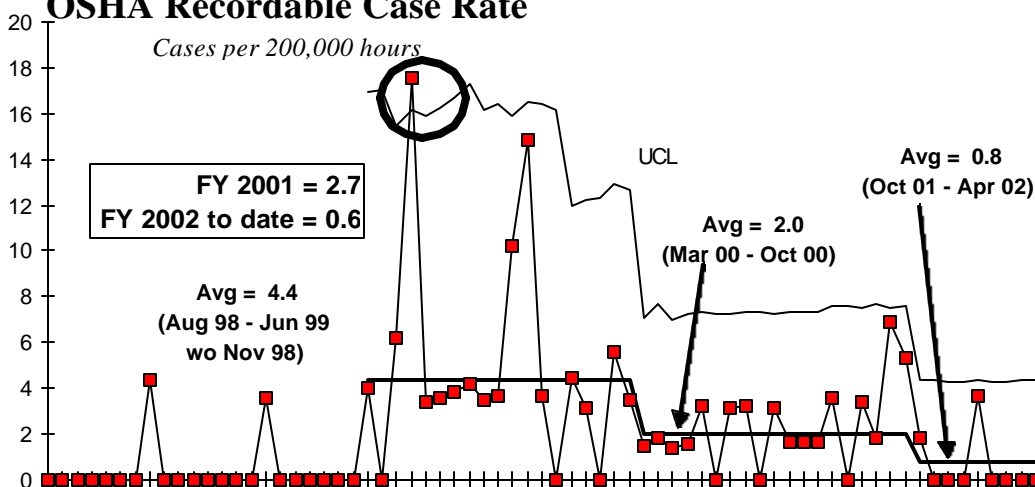


OSHA Recordable Case Rate

Cases per 200,000 hours

FY 2001 = 2.7
FY 2002 to date = 0.6

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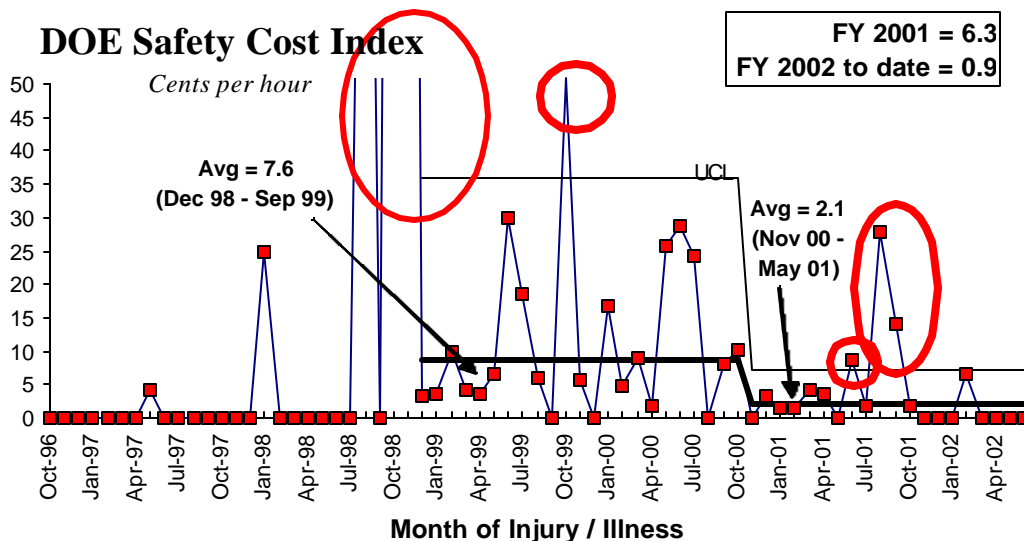


DOE Safety Cost Index

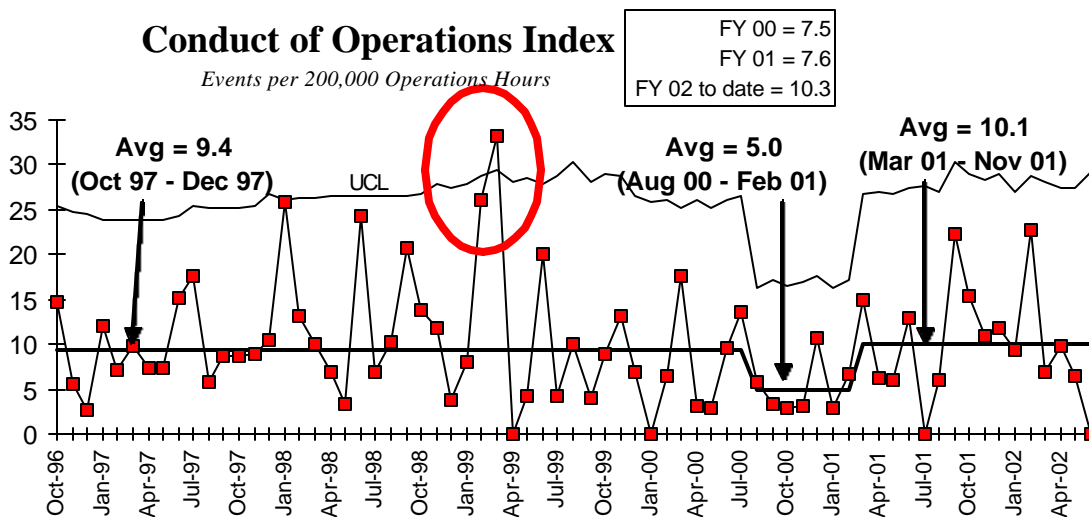
Cents per hour

FY 2001 = 6.3
FY 2002 to date = 0.9

Green



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

Accelerate Readiness to Receive SNF K Basin Sludge — 1) Continue Contractor ORR for movement of Shippingport (PA) fuel, 2) Support activities to receive and store K Basin sludge, and 3) Accelerate T Plant Canyon cell cleanout.

MLLW Treatment — Continue efforts to place a non-thermal treatment contract with ATG. Meet with Perma-Fix representatives in July to discuss thermal treatment alternatives.

Request for Hanford Shipments to WIPP — Hanford has requested two waste shipments to WIPP (August 22 and September 12). Based upon higher priorities for shipments from RFETs, INEEL, and SRS, it is uncertain whether CBFO will make TRUPACT-IIs and other resources available to support the request.

TRU Waste Retrieval — Preparations continue for the TRU Retrieval mockup. The mockup will include clean drums and boxes in a configuration similar to the retrieval trenches, and will allow operations personnel to validate retrieval planning efforts prior to excavating TRU drums. Expect to incorporate the Documented Safety Analysis (DSA) comments and receive the Safety Evaluation Report from RL approving the DSA by August 2002. Beginning preparations for startup readiness to occur late fall, 2002.

Plutonium Finishing Plant Support — Continue to support residues processing with shipment of the new Sand, Slag and Crucible waste stream through FY 2003.

300 Area Cleanup Support — Continue support to the 324 Fuels Removal Project, 327 Facility Cleanout, and the 300 Area Accelerated Closure Project.

Waste Encapsulation and Storage Facility (WESF) Operations — Complete the K-1 filter change and the K-3 duct repair. Support the accelerated capsule disposition initiative.

Liquid Waste Processing — Continue groundwater processing at the 200 Area Effluent Treatment Facility. Two 242-A evaporator campaigns are scheduled for the fall.

Hanford RCRA Permit Modification E — In accordance with the approved Settlement Agreement, the conditions of Hanford RCRA Permit Modification E (CWC and WRAP) became effective on June 25, 2002. Waste Management Project personnel are working to complete the final actions necessary for implementation.

MILESTONE ACHIEVEMENT

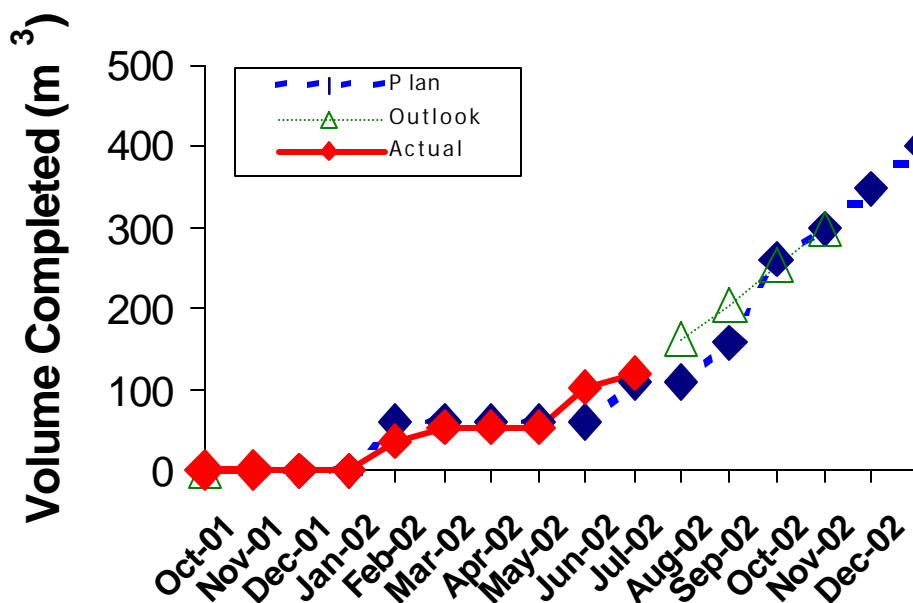
FH Contract Milestones

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comment
M-19-00	Complete Treat/Disp 1,644 CM of CH-LLMW	TPA Enforceable	09-30-02	10-23-00	10-23-00	COMPLETE
M-7-1E	Complete T Plant preparation for storage of K Basins sludge	PI Base	10-30-02		NOV-02	Schedule recovery underway.
M-7-2A	Complete ORR for K Basins Sludge Receipt	PI Base	10-30-02		TBD	Working sludge container issue with SNF.
M-91-12A	Treat 240 Cubic Meters by 12/31/2002	TPA Enforceable	12-31-02		TBD	TPA renegotiation scheduled to be completed in July 2002.
M-91-20	T Plant ready to rec. canister of K Basin floor pit sludge	TPA Enforceable	12-31-02		12-31-02	ON SCHEDULE
M-26-05J	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-03		08-31-03	ON SCHEDULE
M-7-2B	Complete Readiness Assessment K Basins Canister & Fuel Sludge Receipts	PI Base	01-01-04		01-01-04	ON SCHEDULE
M-7-3B	De-Post T Plant Canyon as Airborne Radiation Area	PI Stretch	01-01-04		01-01-04	ON SCHEDULE
M-91-22	T Plant ready to rec. Canister & fuel wash sludge from K Basin	TPA Enforceable	02-29-04		02-29-04	ON SCHEDULE

M-91-07	Complete W -113 for Post 1970 CH TRU / TRUM Retrieval	TPA Enforceable	09-30-04		TBD	TPA renegotiation scheduled to be completed in July 2002.
M-1-2	Consolidate Sitewide SNF in 200 A Dry Storage	PI Base	02-28-05		02-28-05	ON SCHEDULE
M-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-05		08-31-05	ON SCHEDULE
M-5-2	Complete Thermal Treatment 600 m ³ MLLW by 12/31/05	PI Base	12-31-05		12-31-05	ON SCHEDULE
M-5-1B	Complete Treatment / Disposal 9820 m ³ of MLLW	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-7-3C	Clear Remaining Stored Equipment from T Plant Canyon Deck	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-4-1D	Retrieve 15,200 Suspect TRU Waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1A	Certify 580 m ³ of TRU waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1B	Complete 68 TRU Waste Shipments to WIPP	PI Stretch	09-30-06		09-30-06	ON SCHEDULE

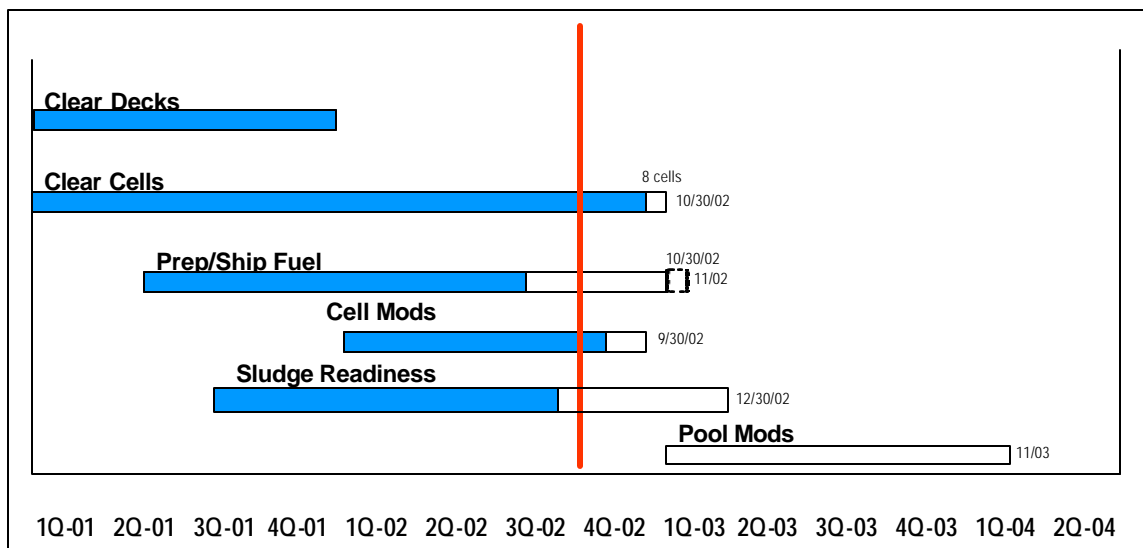
PERFORMANCE OBJECTIVES

TREAT AND DISPOSE MLLW (FHI-M5)



Note: June production: 20 m³. FYTD production: 120 m³.

ACCELERATE READINESS TO RECEIVE K-BASIN SLUDGE (FHI-M7)



FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

		FYTD							
		BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS CP02 WBS 3.3.2.1	SW Storage & Disposal	\$ 8,098	8158	\$ 8,381	\$ 60	1%	\$ (223)	-3%	\$ 11,529
PBS CP02 WBS 3.3.2.2	MLLW Treatment	\$ 887	\$ 384	\$ 385	\$ (504)	-57%	\$ (1)	0%	\$ 1,458
PBS CP02 WBS 3.3.2.3	SW Treatment	\$ 7,436	\$ 6,963	\$ 11,059	\$ (473)	-6%	\$ (4,095)	-59%	\$ 10,851
PBS CP02 WBS 3.3.2.4	TRU Program	\$ 9,504	\$ 9,272	\$ 8,422	\$ (231)	-2%	\$ 851	9%	\$ 13,337
PBS CP02 WBS 3.3.2.5	WESF	\$ 5,463	\$ 5,487	\$ 5,031	\$ 24	0%	\$ 456	8%	\$ 7,633
PBS CP02 WBS 3.3.2.6	200 A LWPF	\$ 11,254	\$ 10,853	\$ 10,442	\$ (401)	-4%	\$ 411	4%	\$ 15,836
PBS CP02 WBS 3.3.2.9	Project Management	\$ 14,372	\$ 14,170	\$ 13,029	\$ (202)	-1%	\$ 1,141	8%	\$ 19,158
Total		\$ 57,014	\$ 55,287	\$ 56,749	\$ (1,727)	-3%	\$ (1,461)	-3%	\$ 79,802

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$1.7 million unfavorable schedule variance was primarily due to MLLW Treatment production limitations at ATG, Inc. while under Chapter 11. Also, and the T Plant Operational Readiness Review (ORR) for the spent fuel has not been completed due to implementing corrective actions. The \$1.5 million unfavorable cost variance was primarily due to increased costs for the T Plant spent fuel removal ORR preparation and assessment corrective actions. This is offset by the favorable variance from the FY 2001 carryover workscope costing less than planned, contracts not being placed and credit taken for the TRU Program for work completed in FY 2001.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$1.7M)

MLLW Treatment — 3.3.2.2/CP02

Description/Cause: The unfavorable schedule variance is a result of treatment production being limited at ATG while under Chapter 11.

Impact: The TPA milestone M-91-12A is unachievable.

Corrective Action: Some non-thermal activities have been identified and are proceeding. Formal notification to RL that TPA milestone M-91-12A is unachievable was submitted February 11, 2002.

Cost Variance Analysis: (-\$1.5 M)

SW Treatment — 3.3.2.3/CP02

Description/Cause: The unfavorable cost variance is due to the increased costs for the T Plant Readiness Assessment preparation and assessment corrective actions, offset by FY 2001 carryover workscope costing less than plan.

Impact: T Plant will be over-run at year end.

Corrective Action: Actions have been implemented to resolve cost impacts to the WM Project.

TRU Program — 3.3.2.4/CP02

Description/Cause: The favorable cost variance is due to BCWP taken in October for three WIPP shipments completed in FY 2001 and FY 2001 carryover work scope costing less than plan.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

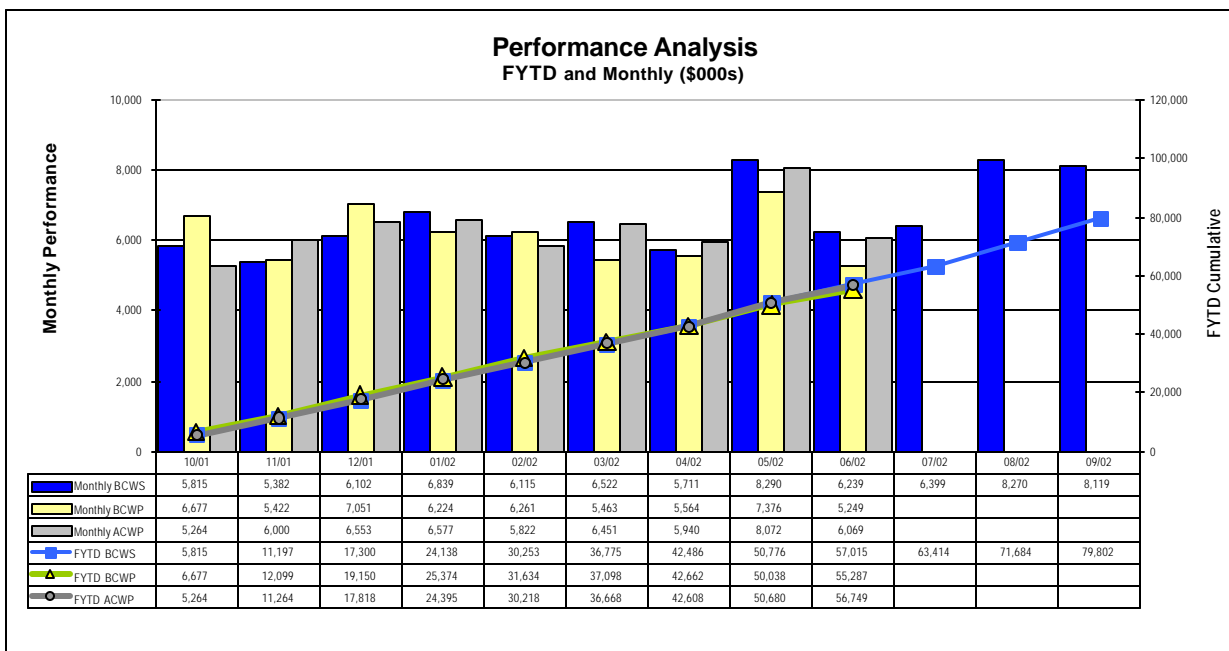
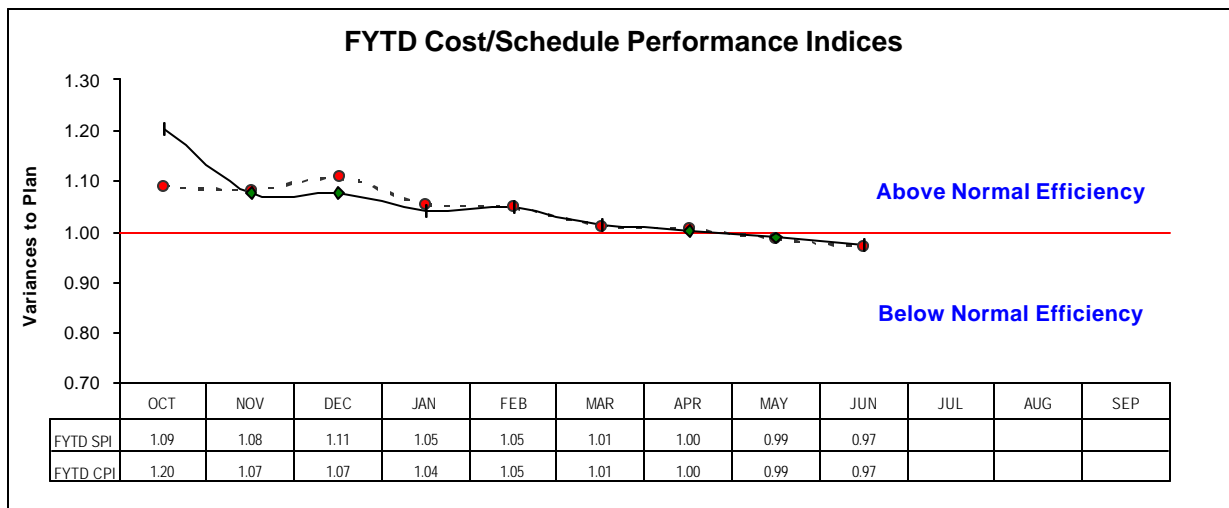
Project Management — 3.3.2.9/CP02

Description/Cause: The favorable cost variance is a result of contract work not being required for the Solid Waste Environmental Impact Statement and the Canyon Disposition Initiative; labor efficiencies; and a passback of forfeited fee.

Impact: This results in a savings for the Waste Management.

Corrective Action: No corrective action needed.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



FUNDS MANAGEMENT

FYTD FUNDS VS. SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
3.3.2 Waste Management CP02	\$ 81,118	\$ 80,876	\$ 242
Total	\$ 81,118	\$ 80,876	\$ 242

NOTES: (1) FH Reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

ISSUES

Technical Issues

Issue: Recovery of T Plant Readiness to move Shippingport Fuel.

Impact/Status: All corrective actions for the three pre-start and one post-start CORR Findings have been completed. The T Plant Declaration of Readiness will be made on July 12. The RL ORR In-Brief will be conducted Monday July 15 and the ORR July 17 to 23.

Corrective Actions: Complete the RL ORR by July 23. (B. V. Burrow)

Issue: Type 1 Sludge Storage Readiness Activity in Jeopardy of Completing on Schedule.

Impact/Status: Type 1 Sludge Storage preparations continue towards a Standard Startup Review. New data that required further analysis in the Sludge Storage Safety Assessment (SA) was received on July 9 from the SNF Project. This data requires significant rework of the SA before it is ready for FH review. In addition several yet unresolved issues that will affect completion of the SA do not have clear completion dates. The most significant issues include: Hydrogen Generation, Thermal Activity, Compaction of the sludge during transport, and rise of a sludge plug. Current delivery date of the SA does not support Performance Incentive completion dates.

Corrective Actions: Coordinate with SNF completion of draft documents that support the T Plant DSA and ensure they are issued to support the T Plant schedule by July 2002 (W. S. Ayers, and W. W. Rutherford). Review current schedule for opportunities to improve ongoing activities related to the DSA (W. S. Ayers, L. W. Roberts, and W. W. Rutherford). Continue WMP/SNF coordination (J. A. Van Vliet and R. P. Heck).

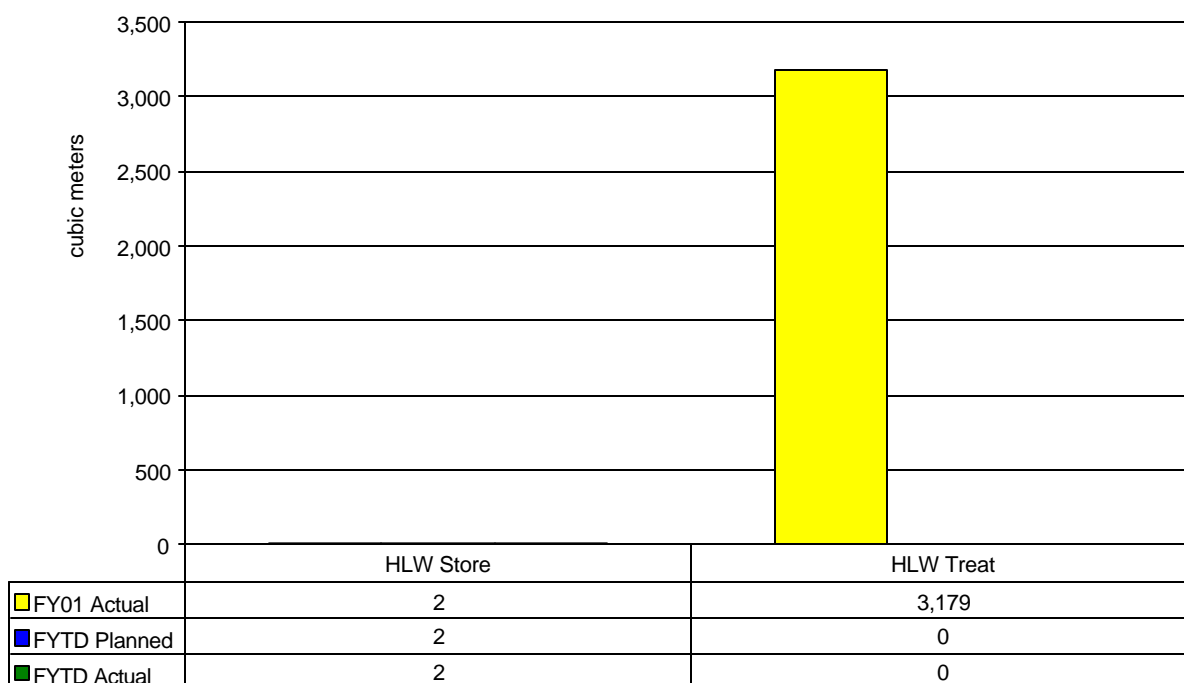
External Issue/DOE Requests/REGULATORY/DOE ISSUES

Nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No./ Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
FH-02-011	2/28/2002	10CFR830 Phase II compliance		1,700		Disapproved. In rework.
FH-02-012	6/26/2002	Addendum to T Plant Fans		613		To RMB
FH-02-013	6/27/2002	WIPP WAC		242		At RL
FH-02-014	7/12/2002	WMP Minimum Efficient Operation Levels		535		At RL

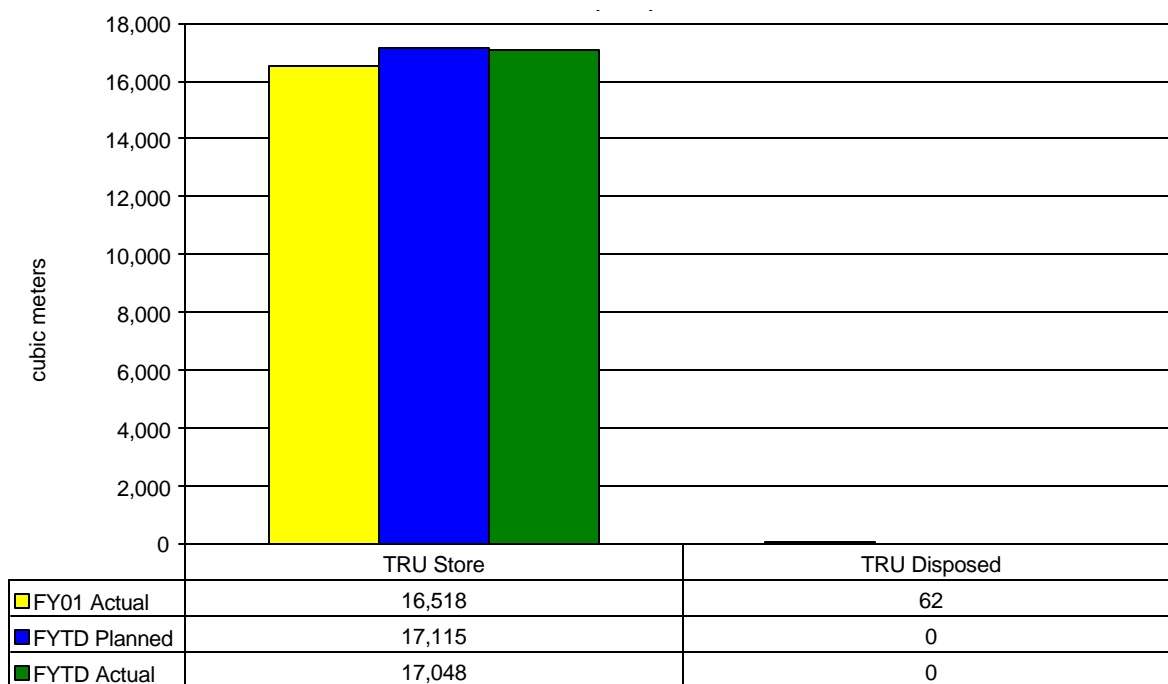
High Level Waste (HLW): Storage and Treatment



Storage: Storage continues to be provided for HLW Cesium 137 and Strontium 90 capsules in the Waste Encapsulation and Storage Facility Pool Cells.

Treatment: No campaign to process HLW at the 242-A Evaporator was performed as planned during the 3rd quarter of FY 2002.

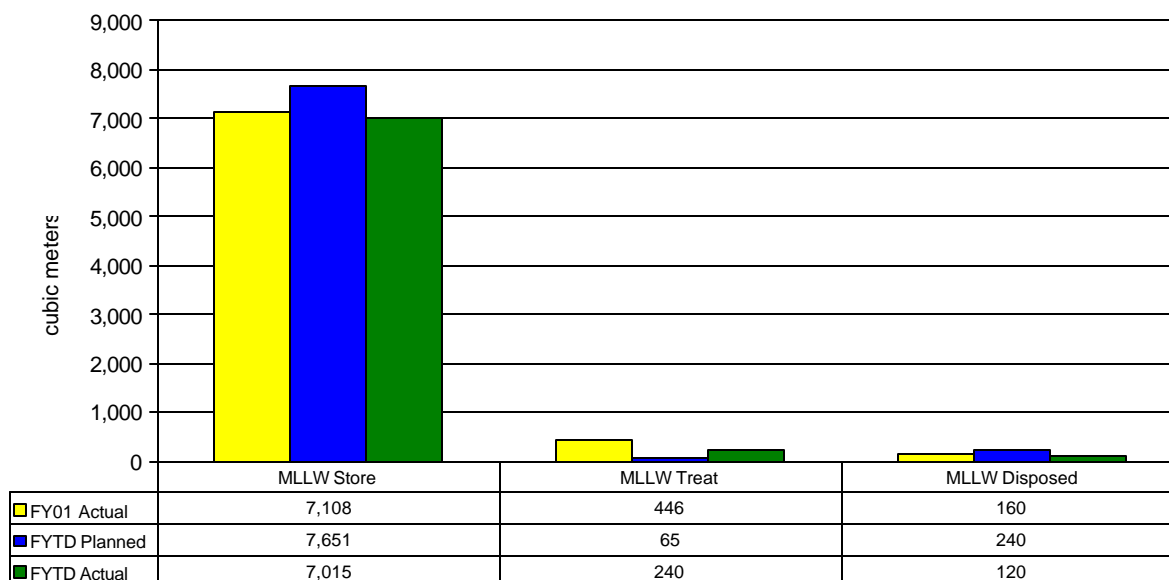
TRANSURANIC (TRU) WASTE: STORAGE, TREATMENT AND DISPOSAL



Storage: Storage continues to be provided for existing and newly generated TRU waste.

Disposal: None planned this quarter.

MIXED LOW LEVEL WASTE: STORAGE, TREATMENT, AND DISPOSAL

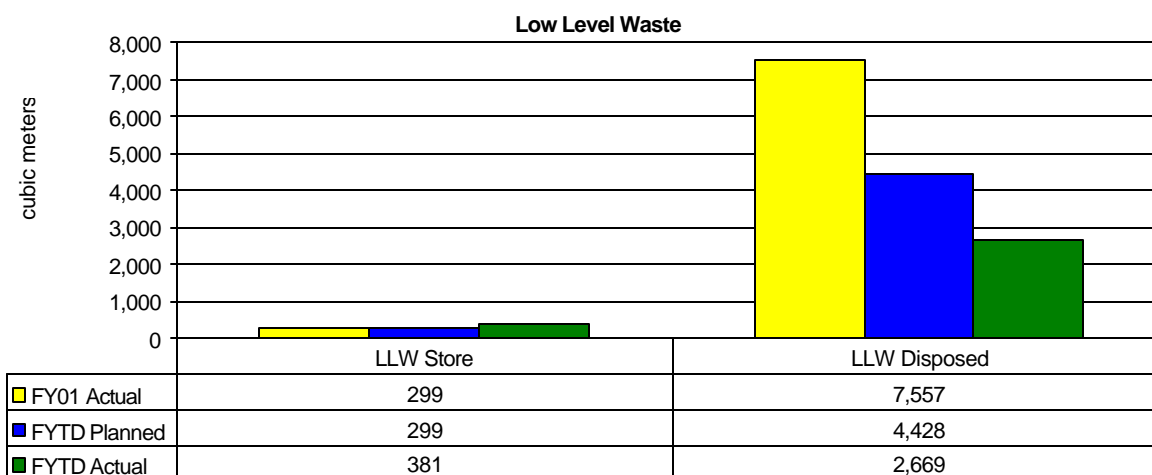


Storage: The current volume of MLLW in storage is within 10 percent of the planned amount.

Treatment: The waste was treated at ATG last fiscal year. Credit for treatment is not taken until treated waste is received and accepted. The FYTD actuals represent treated waste received and accepted during the 3rd quarter of FY02.

Disposal: 115 cubic meters of waste remain at ATG and have not been returned for disposal.

LOW LEVEL WASTE (LLW): STORAGE, TREATMENT, AND DISPOSAL



Storage: Storage continues to be provided for LLW that does not meet waste acceptance criteria for disposal in the burial grounds. An additional 82 cubic meters of LLW is being temporarily stored in the CWC, increasing the LLW inventory in storage from 299 cubic meters to 381 cubic meters. The 82 cubic meters is from previously received suspect TRU waste that has now been designated as LLW through assay of the waste at WRAP. The designated LLW is being stored at the CWC pending verification of packaging for any void fill issues prior to disposal in the low level burial grounds.

Disposal: Less LLW was disposed than planned as a result of a combination of the Low Level Waste Burial Grounds being virtually shut down the last two and one half weeks of December because of monthly and annual routines being performed; schedule slippages; and verification requirements on waste that was received but has not yet been disposed. Also, a large quantity of LLW planned to be received from Princeton for disposal on site will now be disposed at the Nevada Test Site. Work generator plans are being reviewed to assess if FY forecast volumes for disposal will be met.